

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD090420\
 Data File : VD066554.D
 Acq On : 04 Sep 2020 11:01
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

sam
 9/8/2020 5:42:31 PM

Quant Time: Sep 05 03:52:19 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D090320S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 04 01:57:04 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.97	168	375579	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	600696	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	550396	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	250331	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	243324	53.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.10%	
35) Dibromofluoromethane	7.91	113	226637	55.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.86%	
50) Toluene-d8	10.34	98	848593	58.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	117.18%	
62) 4-Bromofluorobenzene	12.63	95	276292	57.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	115.06%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	152332	49.041	ug/l	95
3) Chloromethane	2.21	50	208712	43.942	ug/l	96
4) Vinyl Chloride	2.35	62	238669	45.305	ug/l	99
5) Bromomethane	2.77	94	167397	50.289	ug/l	91
6) Chloroethane	2.92	64	152702	45.636	ug/l	99
7) Trichlorofluoromethane	3.27	101	365628	46.982	ug/l	94
8) Diethyl Ether	3.70	74	91089	46.481	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	4.10	101	196254	46.596	ug/l	98
10) Methyl Iodide	4.30	142	186358	48.628	ug/l	100
11) Tert butyl alcohol	5.21	59	65474	225.997	ug/l	100
12) 1,1-Dichloroethene	4.07	96	177065	46.793	ug/l	98
13) Acrolein	3.93	56	46765	251.691	ug/l	94
14) Allyl chloride	4.71	41	294118	47.427	ug/l	99
15) Acrylonitrile	5.43	53	200943	238.696	ug/l	99
16) Acetone	4.15	43	239433	286.365	ug/l	94
17) Carbon Disulfide	4.41	76	582907	46.859	ug/l	100
18) Methyl Acetate	4.72	43	90075	45.193	ug/l	98
19) Methyl tert-butyl Ether	5.47	73	425297	47.928	ug/l	97
20) Methylene Chloride	4.97	84	216386	47.105	ug/l	96
21) trans-1,2-Dichloroethene	5.47	96	211989	47.177	ug/l	97
22) Diisopropyl ether	6.36	45	626285	49.109	ug/l	96
23) Vinyl Acetate	6.30	43	1825380	251.524	ug/l	97
24) 1,1-Dichloroethane	6.26	63	379056	47.266	ug/l	98
25) 2-Butanone	7.21	43	275212	245.203	ug/l	98
26) 2,2-Dichloropropane	7.21	77	349028	47.446	ug/l	98
27) cis-1,2-Dichloroethene	7.21	96	231042	47.813	ug/l	99
28) Bromochloromethane	7.54	49	158039	51.186	ug/l	100
29) Tetrahydrofuran	7.56	42	163736	234.239	ug/l	99
30) Chloroform	7.71	83	395161	46.575	ug/l	99
31) Cyclohexane	7.98	56	341109	46.013	ug/l	92
32) 1,1,1-Trichloroethane	7.90	97	375191	47.035	ug/l	99
36) 1,1-Dichloropropene	8.11	75	310577	49.681	ug/l	99
37) Ethyl Acetate	7.28	43	119080	47.837	ug/l #	95
38) Carbon Tetrachloride	8.09	117	331960	50.238	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.35	83	360276	51.611	ug/l	98
40) Benzene	8.34	78	826966	48.300	ug/l	98
41) Methacrylonitrile	7.51	41	55453m	46.020	ug/l	
42) 1,2-Dichloroethane	8.42	62	260723	46.999	ug/l	99
43) Isopropyl Acetate	8.44	43	233643	48.977	ug/l	99
44) Trichloroethene	9.11	130	221354	49.288	ug/l	90
45) 1,2-Dichloropropane	9.38	63	205200	47.658	ug/l	97
46) Dibromomethane	9.47	93	115367	48.566	ug/l	97
47) Bromodichloromethane	9.66	83	307597	47.861	ug/l	98
48) Methyl methacrylate	9.45	41	113467	47.039	ug/l	95
49) 1,4-Dioxane	9.46	88	24996	959.135	ug/l	98
51) 4-Methyl-2-Pentanone	10.23	43	605182	251.544	ug/l	98
52) Toluene	10.40	92	545303	50.315	ug/l	97
53) t-1,3-Dichloropropene	10.62	75	285577	50.335	ug/l	96
54) cis-1,3-Dichloropropene	10.08	75	333995	49.021	ug/l	96
55) 1,1,2-Trichloroethane	10.80	97	148105	48.491	ug/l	97
56) Ethyl methacrylate	10.66	69	182256	51.250	ug/l	99
57) 1,3-Dichloropropane	10.94	76	256787	47.999	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.94	63	407978	250.816	ug/l	97
59) 2-Hexanone	10.98	43	423175	261.558	ug/l	100
60) Dibromochloromethane	11.14	129	194712	48.210	ug/l	98
61) 1,2-Dibromoethane	11.24	107	139724	47.022	ug/l	99
64) Tetrachloroethene	10.87	164	177475	47.891	ug/l	91
65) Chlorobenzene	11.67	112	542786	47.781	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.74	131	204838	47.247	ug/l	99
67) Ethyl Benzene	11.74	91	1028042	49.286	ug/l	100
68) m/p-Xylenes	11.85	106	779644	100.665	ug/l	99
69) o-Xylene	12.18	106	344864	49.686	ug/l	97
70) Styrene	12.20	104	604990	50.136	ug/l	97
71) Bromoform	12.36	173	100229	45.873	ug/l #	94
73) Isopropylbenzene	12.48	105	979368	52.841	ug/l	99
74) N-amyl acetate	12.29	43	209496	49.906	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.73	83	157618	48.137	ug/l	97
76) 1,2,3-Trichloropropane	12.78	75	111065m	46.133	ug/l	
77) Bromobenzene	12.76	156	211552	51.197	ug/l	98
78) n-propylbenzene	12.82	91	1192120	53.058	ug/l	100
79) 2-Chlorotoluene	12.91	91	650999	51.648	ug/l	100
80) 1,3,5-Trimethylbenzene	12.96	105	813659	52.159	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.53	75	51216	49.666	ug/l	97
82) 4-Chlorotoluene	13.01	91	689080	51.123	ug/l	100
83) tert-Butylbenzene	13.23	119	672967	52.828	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	822672	52.969	ug/l	98
85) sec-Butylbenzene	13.40	105	986566	53.754	ug/l	99
86) p-Isopropyltoluene	13.52	119	876295	53.047	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	406572	49.562	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	404339	49.109	ug/l	99
89) n-Butylbenzene	13.85	91	860231	53.438	ug/l	100
90) Hexachloroethane	14.11	117	174662	49.071	ug/l	97
91) 1,2-Dichlorobenzene	13.90	146	345314	48.160	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.51	75	26316	47.312	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	224580	52.189	ug/l	98
94) Hexachlorobutadiene	15.27	225	128940	49.876	ug/l	97
95) Naphthalene	15.41	128	401223	53.357	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	191926	52.314	ug/l	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

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